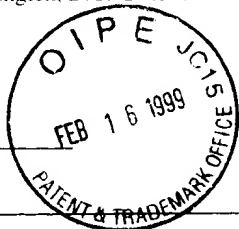


(6111650) #

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Date: February 12, 1999



Eileen M. Ebel

(Print Name)

[Signature]
(Signature)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application

Scott W. van Arsdell et al.

Group: 1652

Examiner: K. Lau

Serial No. 08/914,332, filed July 14, 1997

For: **OVERCOMING DAPA AMINOTRANSFERASE BOTTLENECKS
IN BIOTIN VITAMERS BIOSYNTHESIS**

TRANSMITTAL OF POWER OF ATTORNEY

Nutley, New Jersey 07110

February 12, 1999

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith is a Power of Attorney executed by John B. Freeman in the above application.

[Signature]

Attorney for Applicant(s)

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Date: February 12, 1999



Eileen M. Ebel

(Print Name)

(Signature)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Scott W. van Arsdell et al.
Serial No.: 08/914,332
Filed: July 14, 1997
Title: OVERCOMING DAPA AMINO TRANSFERASE BOTTLENECKS
IN BIOTIN VITAMERS BIOSYNTHESIS

Box Patent Application

Assistant Commissioner for Patents
Washington, D.C. 20231

**POWER OF ATTORNEY TO ASSOCIATE ATTORNEYS
AND CHANGE OF CORRESPONDENCE ADDRESS**

The undersigned attorney in the above-identified application hereby appoints:

George W. Johnston (Reg. No. 28,090), William H. Epstein (Reg. No. 20,008), Dennis P. Tramaloni (Reg. No. 28,542), Patricia S. Rocha-Tramaloni (Reg. No. 31,054), John P. Parise (Reg. No. 34,403), Robert A. Silverman (Reg. No. 35,682), Joseph P. Kirk, Jr. (Reg. No. 36,844), Briana C. Buchholz (Reg. No. 39, 123), Lewis J. Kriesler (Reg. No. 38,522) and Eileen M. Ebel (Reg. No. 37,316), of Hoffmann-La Roche, Inc., 340 Kingsland Street, Nutley, New Jersey 07110

as associate attorneys to transact all business in the U.S. Patent and Trademark Office in connection with the above-identified application.

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Serial No. 08/914, 332

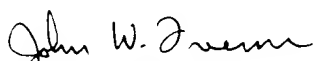
Filed: July 14, 1997

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